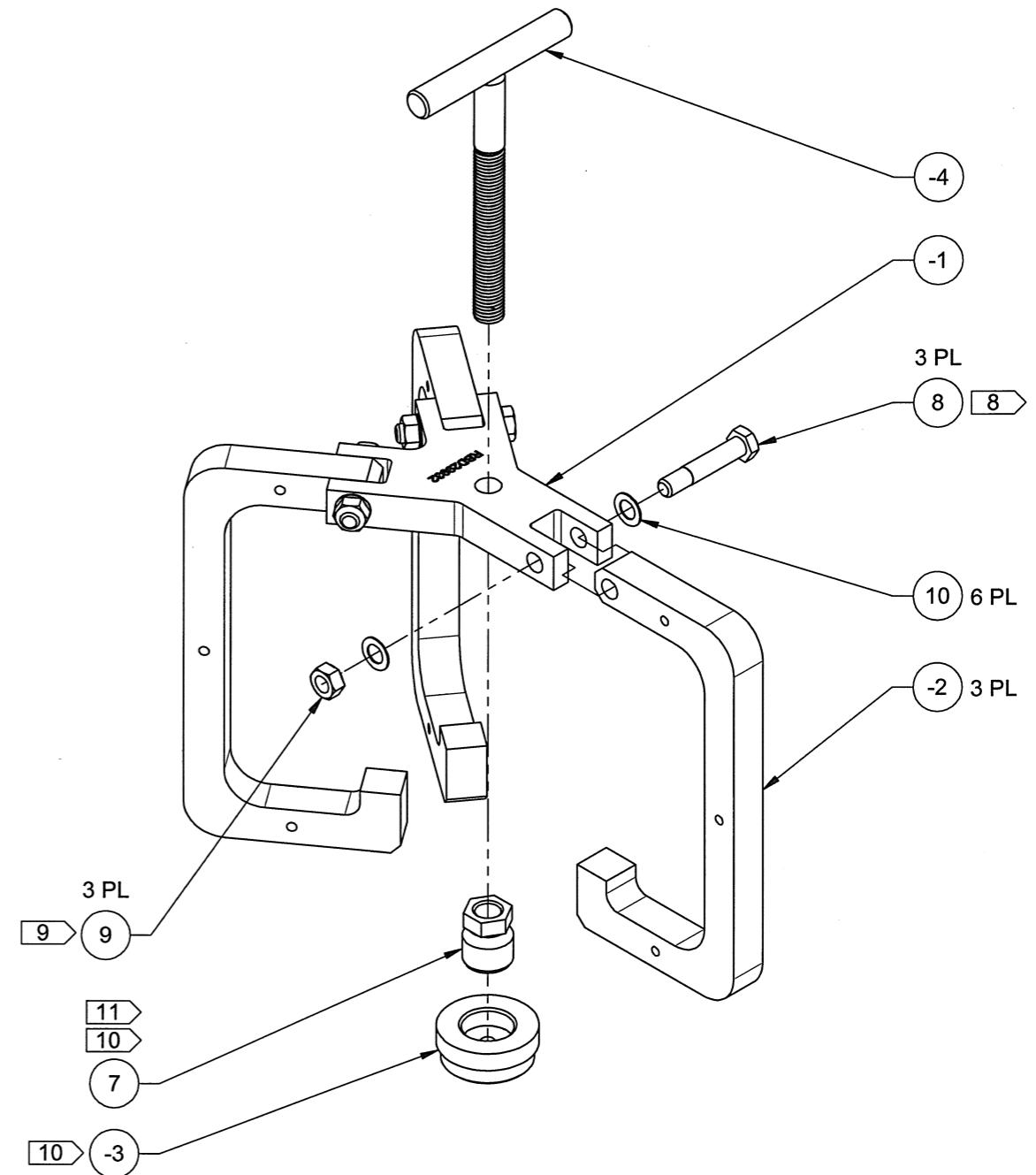
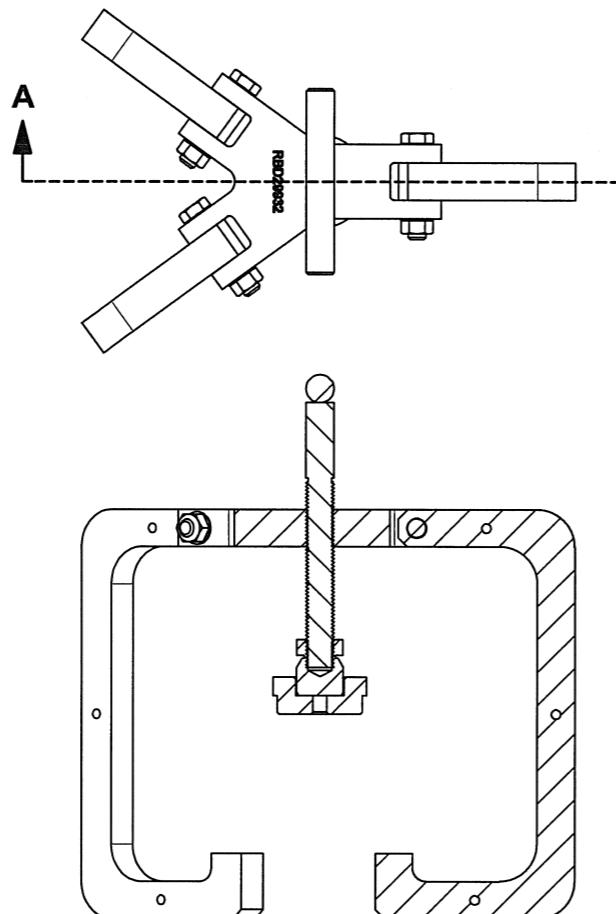


ITEM #	QTY	PART #	PART TITLE
-1	1	RBD29932-1	PULLER NUT
-2	3	RBD23392-2	PULLER
-3	1	RBD29932-3	THRUST PAD
-4	1	RBD29932-4	PULLER SCREW
7	1	Monroe#TP-750 OR EQUIV.	BLACK OXIDE STEEL TOGGLE PAD TYPE TP 3/4"-10 X 1-1/4" OD.
8	3	AN8-24A	BOLT
9	3	AN315-8R	NUT
10	6	NAS1149F0832P	WASHER



## NOTES:

1) MATERIAL: N/A

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) IDENTIFICATION: N/A

7) ASSEMBLE AS SHOWN

8) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 8 THEN ASSEMBLE WITH ITEM 9, AND REMOVE EXCESS

9) TORQUE ITEM 9 TO 40-58 FT-LBS (480-690 IN-LBS)

10) APPLY INSTANT ADHESIVE LOCTITE 495 BETWEEN THE SURFACES OF ITEM 7 AND ITEM -3, AND REMOVE EXCESS

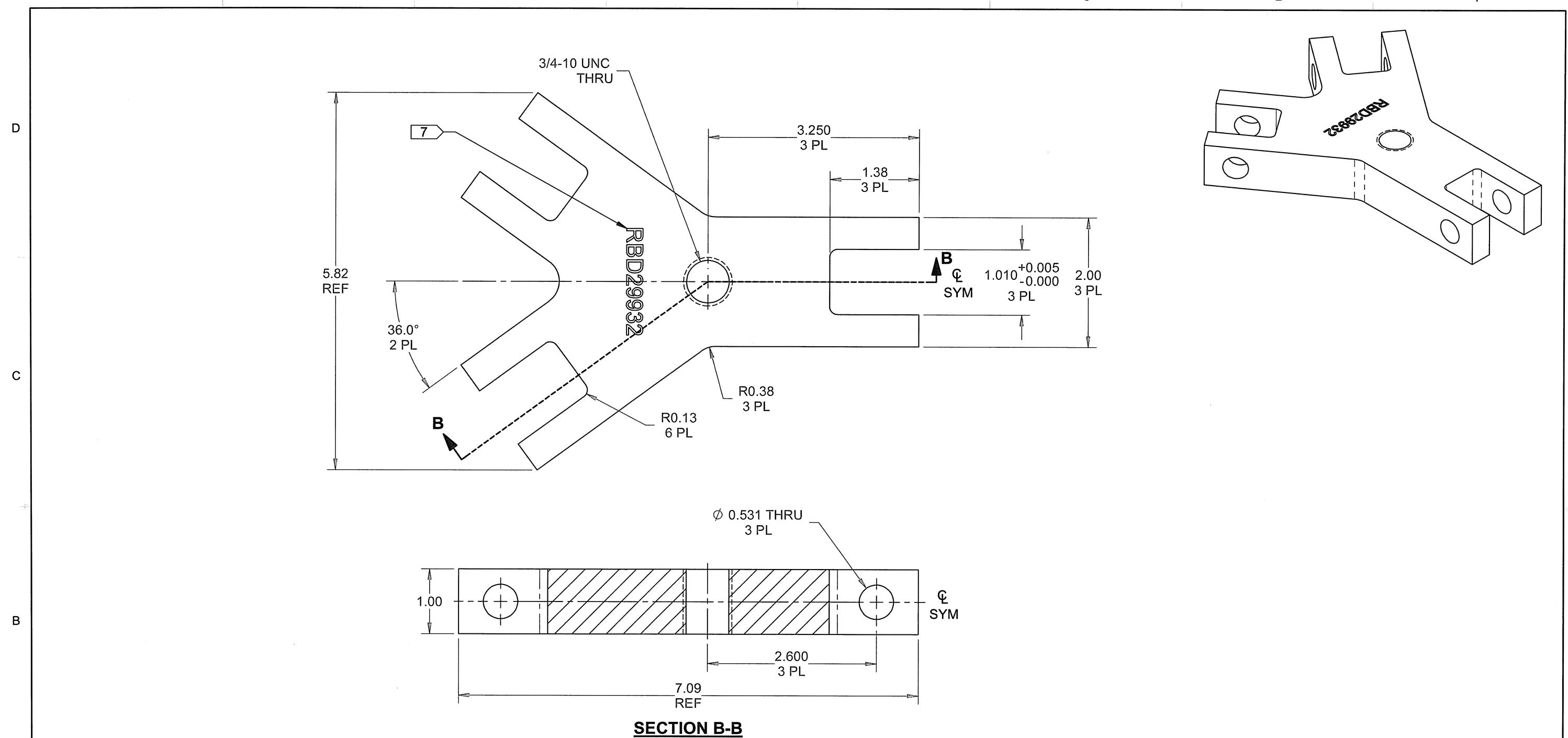
11) INSTALL ITEMS 7 HAND TIGHT

12) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

RBD29932 MAIN ROTOR PULLER "D" MODEL (3 JAWS) AI

12

A	NEW ISSUE	19-643	MBB
REV.	DESCRIPTION	ECN #	BY
DESIGN	MBB	DART AEROSPACE LTD	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	REV. A SHEET 1 OF 7	
MFG. APPR.	DP		
APPROVED	VLP		
DATE 4/2/2019			
TOOL PART # RBD29932			
TITLE MAIN ROTOR PULLER "D" MODEL (3 JAWS) AI NTS			
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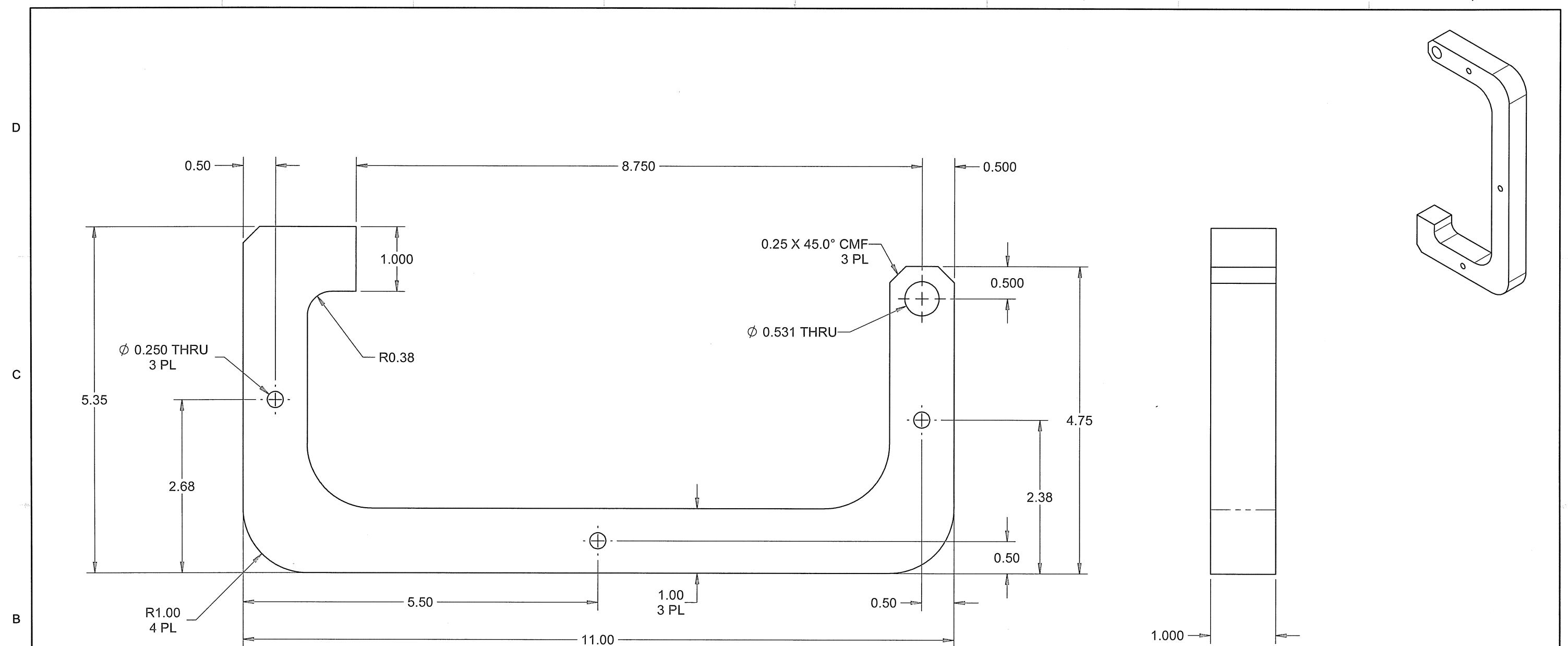
### RBD29932-1 PULLER NUT

#### NOTES:

- 1) MATERIAL: 1018/1020/1025 CR
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N AS SHOWN

DESIGN	MBB	<b>DART AEROSPACE LTD</b>	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT		
MFG. APPR.	DP		
APPROVED	VIP		
DATE 4/2/2019		REV. A	
TOOL PART # RBD29932		SHEET 2 OF 7	
TITLE MAIN ROTOR PULLER "D" MODEL (3 JAWS) AI		SCALE NTS	

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**RBD23392-2 PULLER**

**NOTES:**

- 1) MATERIAL: 1018/1020/1025 CR
  - 2) HEAT TREAT: N/A
  - 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) REMOVE ALL SHARP EDGES AND BURRS
  - 7) IDENTIFICATION: N/A

DESIGN	MBB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	MBB			
CHECKED	KPT			
MFG. APPR.	DP			
APPROVED	V/H	REV. A SHEET 3 OF 7		
DATE	4/2/2019	TITLE	SCALE	
		MAIN ROTOR PULLER "D" MODEL (3 JAWS) AI	NTS	

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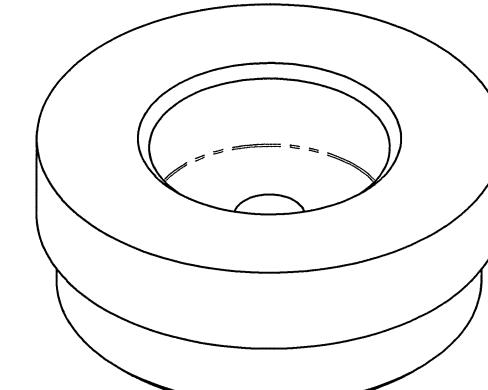
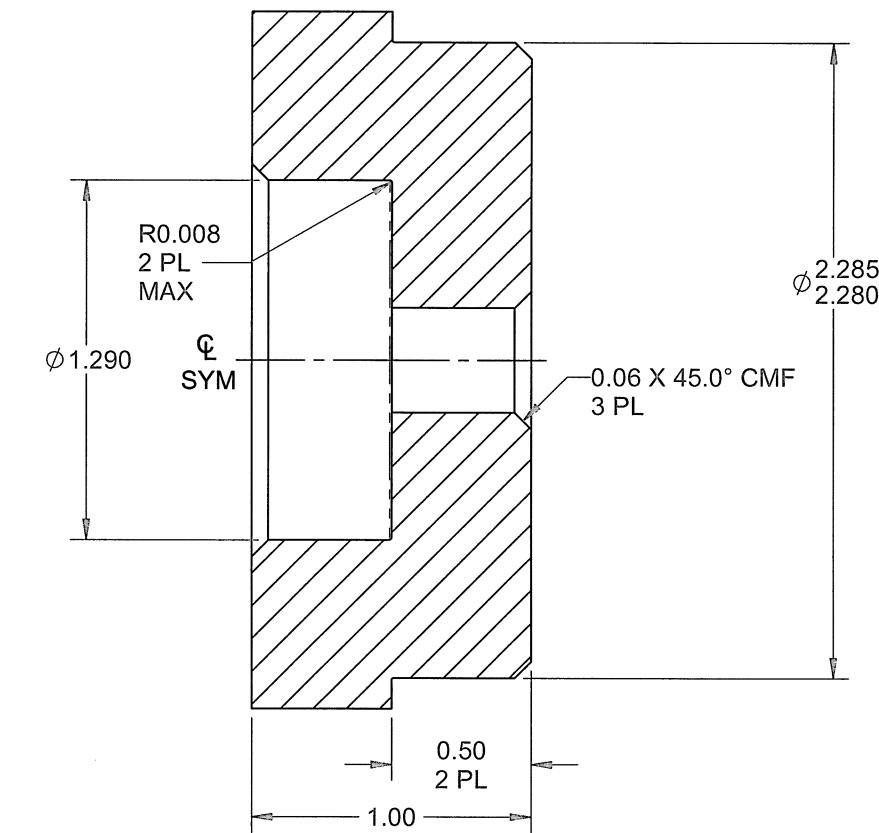
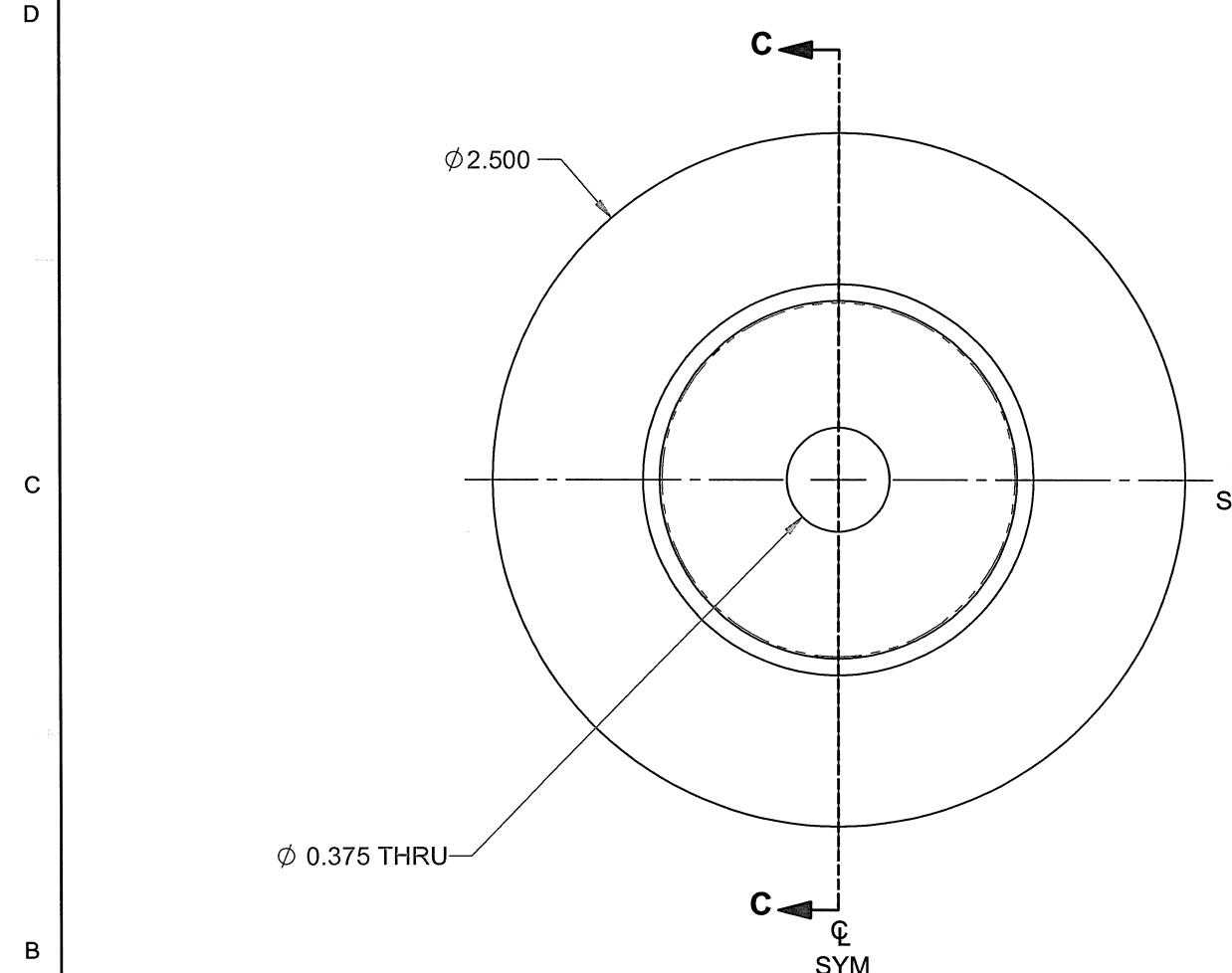
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**RBD29932-3 THRUST PAD**

NOTES:

- 1) MATERIAL: 1018/1020/1025 CR
- 2) HEAT TREAT: N/A
- 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

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DESIGN DRAWN	MBB MBB	DART AEROSPACE LTD
CHECKED	KPT KPT	HAWKESBURY, ONTARIO, CANADA
MFG. APPR.	DP DP	REV. A
APPROVED	VJF	TOOL PART # RBD29932
DATE 4/2/2019		SHEET 4 OF 7
TITLE MAIN ROTOR PULLER "D" MODEL (3 JAWS) AI NTS		SCALE

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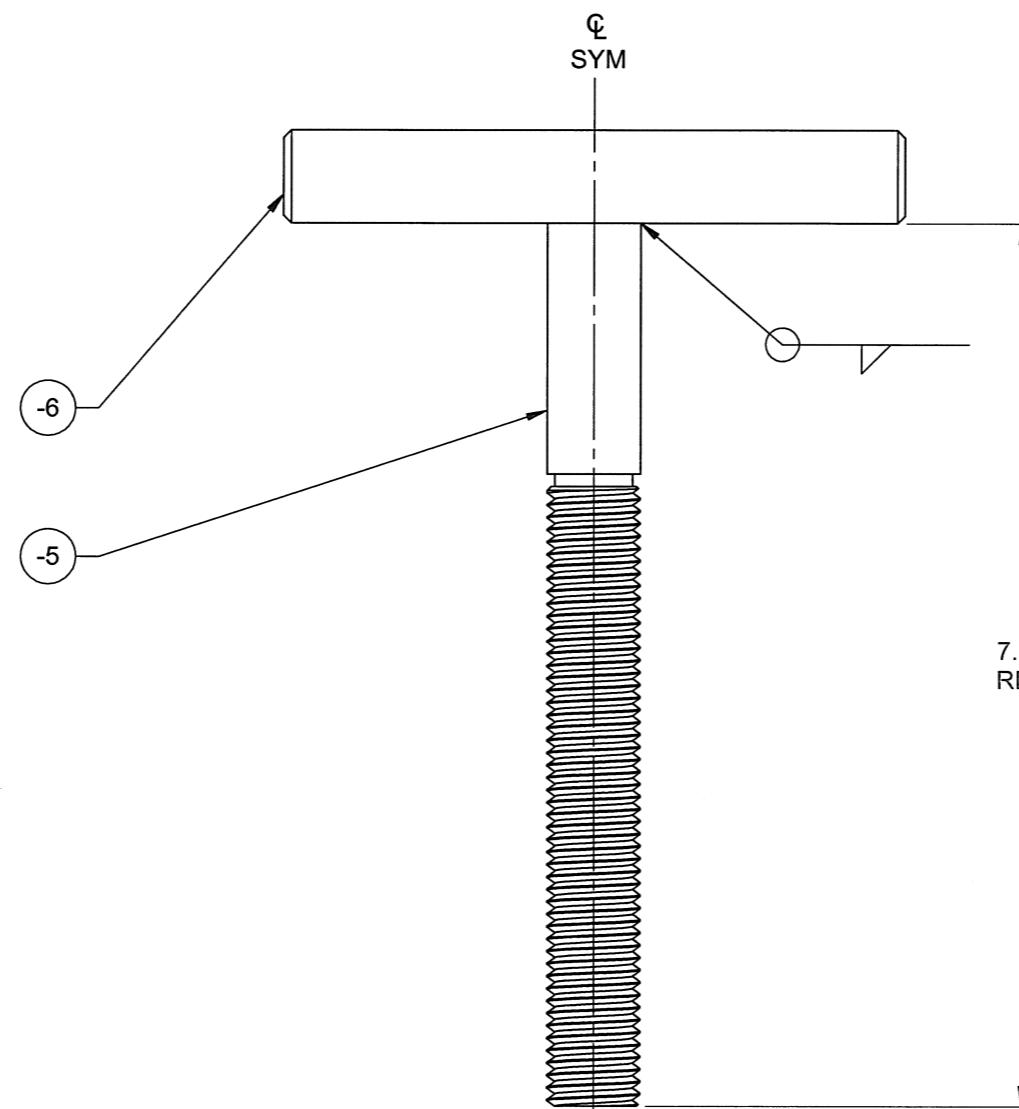
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ITEM #	QTY	PART #	PART TITLE
-5	1	RBD29932-5	SCREW
-6	1	RBD29932-6	HANDLE



### RBD29932-4 PULLER SCREW

#### NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A
- 7) ASSEMBLE AS SHOWN
- 8) REMOVE ALL WELD SPATTERS

DESIGN	MBB	<b>DART AEROSPACE LTD</b>	
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	REV. A	
MFG. APPR.	DP	SHEET 5 OF 7	
APPROVED	VW	TOOL PART #	
		RBD29932	
		TITLE	
		MAIN ROTOR PULLER "D" MODEL (3 JAWS) AI NTS	
DATE		4/2/2019	

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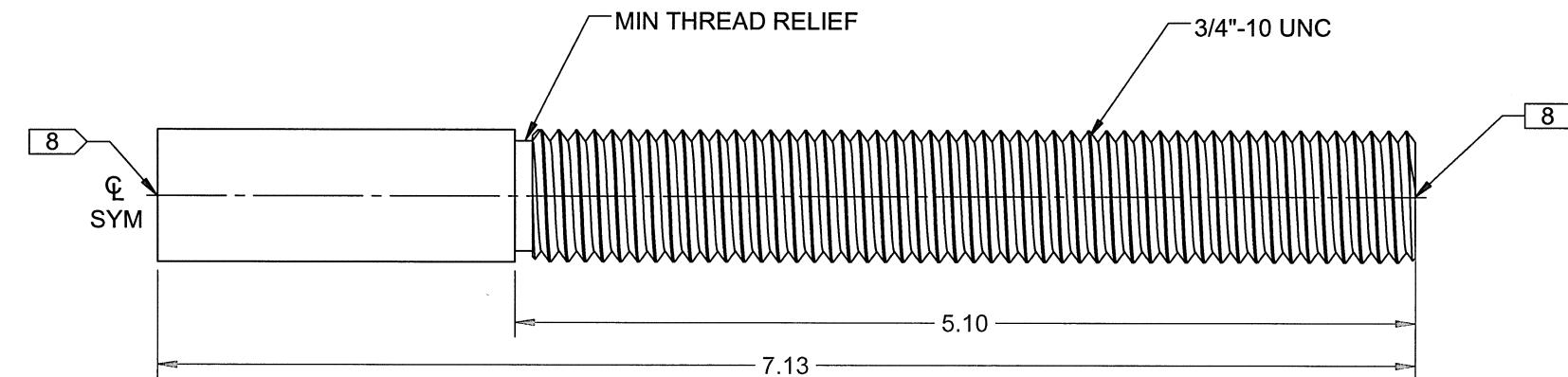
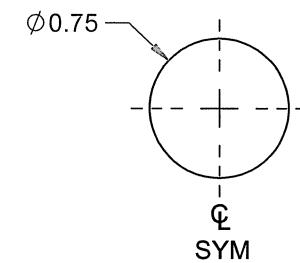
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**RBD29932-5 SCREW**

**NOTES:**

1) MATERIAL: 1018/1020/1025 CR

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
 X.XX = +/- 0.01" / +/- 0.5°  
 X.XXX = +/- 0.005" / +/- 0.1°  
 X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) REMOVE ALL SHARP EDGES AND BURRS

7) IDENTIFICATION: N/A

8) CENTER DRILL IS ACCEPTABLE

DESIGN DRAWN	MBB MBB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED	KPT	TOOL PART #
MFG. APPR.	DP	RBD29932
APPROVED	VHR	TITLE
		MAIN ROTOR PULLER "D" MODEL (3 JAWS) AI NTS
DATE	4/2/2019	SCALE
		REV. A
		SHEET 6 OF 7
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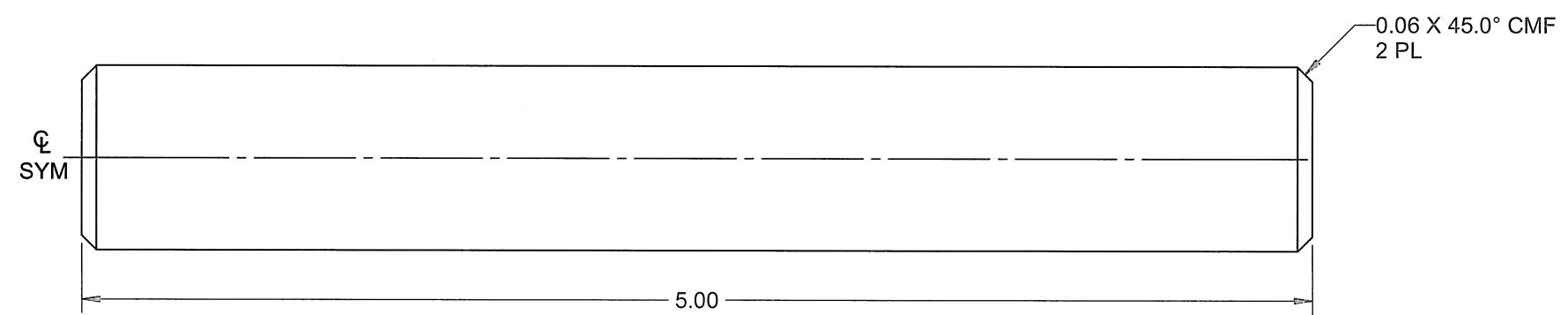
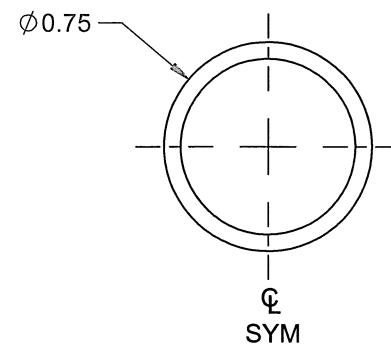
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### RBD29932-6 HANDLE

#### NOTES:

- 1) MATERIAL: 1018/1020/1025 CR
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN	MBB	DART AEROSPACE LTD
DRAWN	MBB	HAWKESBURY, ONTARIO, CANADA
CHECKED	KPT	REV. A
MFG. APPR.	DP	SHEET 7 OF 7
APPROVED	VM	
DATE	4/2/2019	

TOOL PART # **RBD29932**

TITLE **MAIN ROTOR PULLER "D" MODEL (3 JAWS) AI**

SCALE **NTS**

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